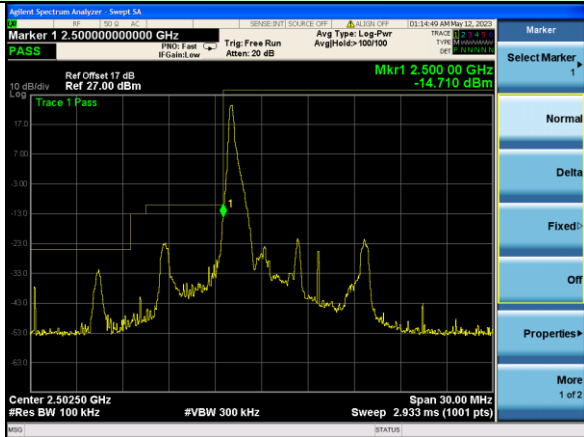
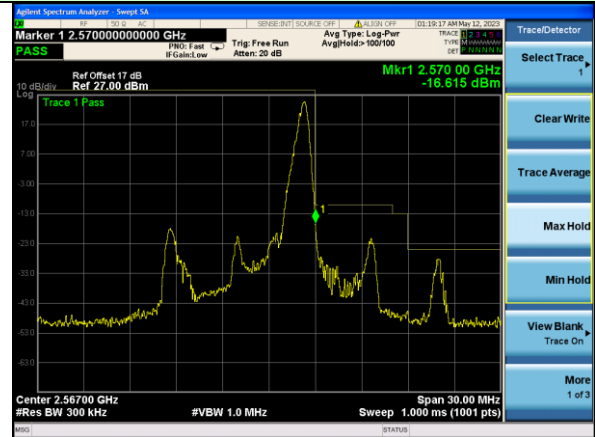


Test Mode: LTE Band 7 / 5MHz / 1RB / QPSK

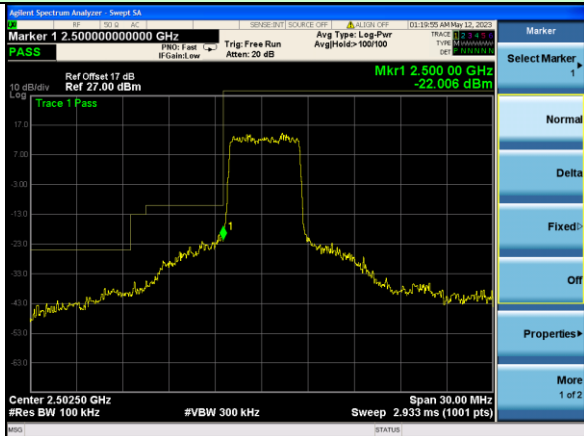


Lowest channel

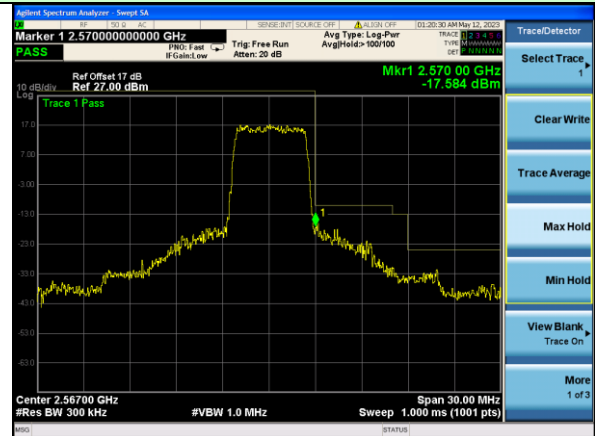


Highest channel

Test Mode: LTE Band 7 / 5MHz / 25RB / QPSK

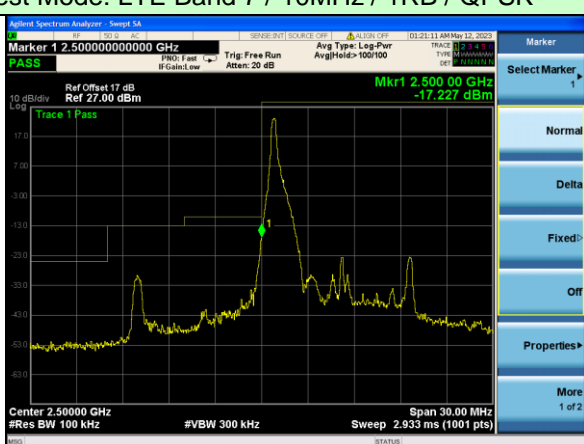


Lowest channel

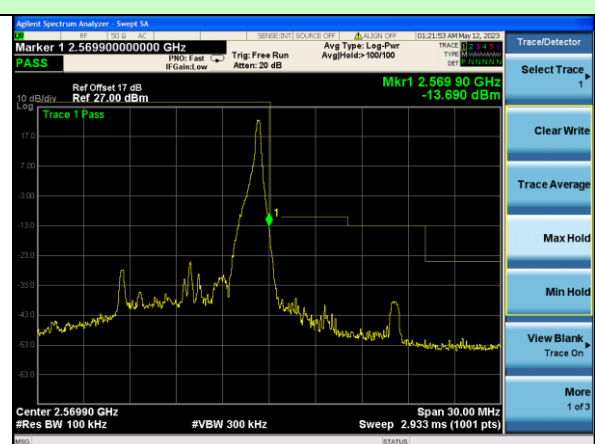


Highest channel

Test Mode: LTE Band 7 / 10MHz / 1RB / QPSK

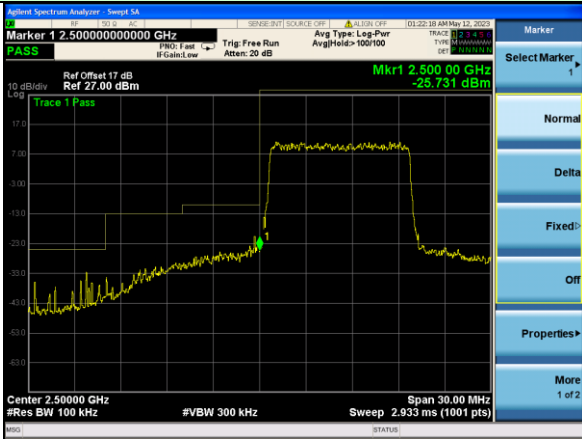


Lowest channel

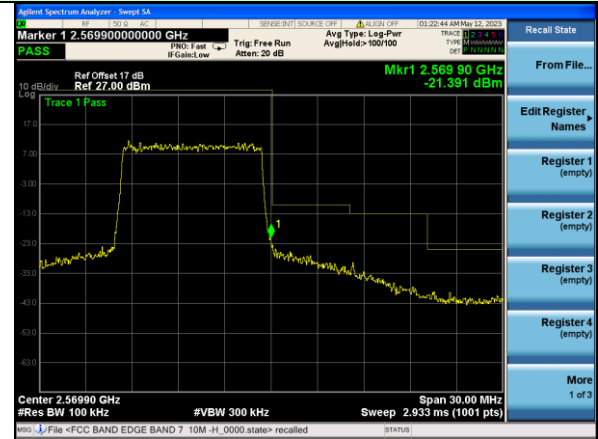


Highest channel

Test Mode: LTE Band 7 / 10MHz / 50RB / QPSK

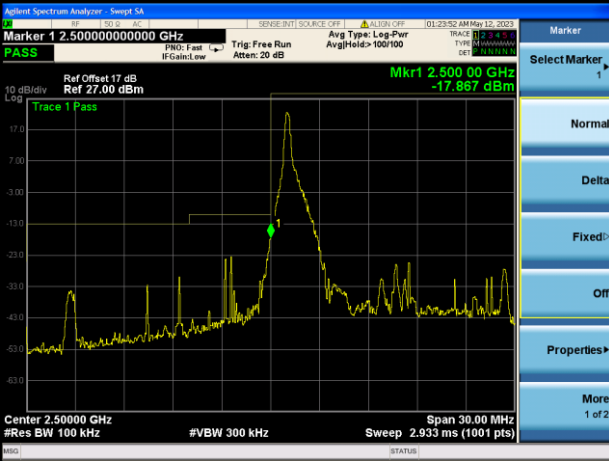


Lowest channel

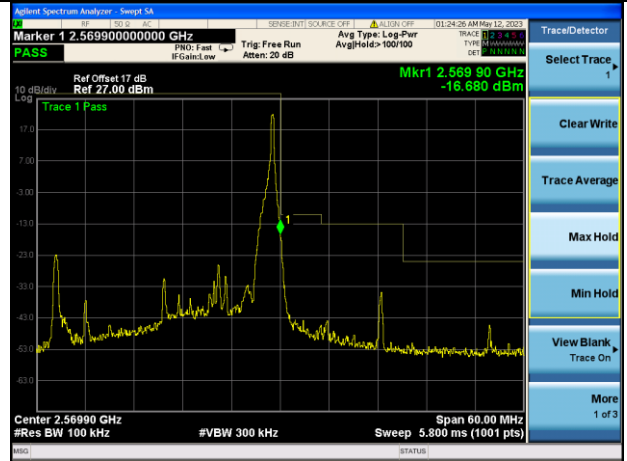


Highest channel

Test Mode: LTE Band 7 / 15MHz / 1RB / QPSK

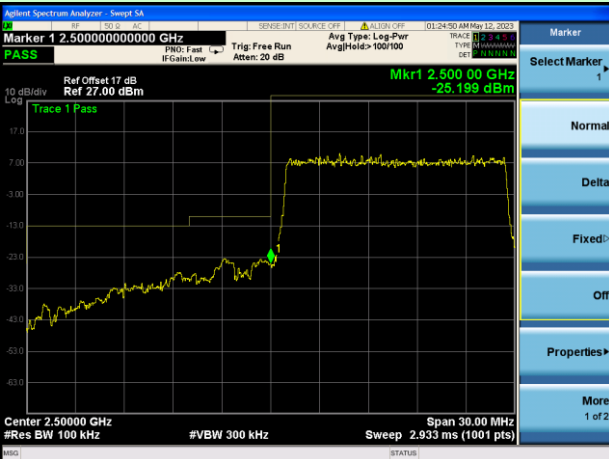


Lowest channel



Highest channel

Test Mode: LTE Band 7 / 15MHz / 75RB / QPSK

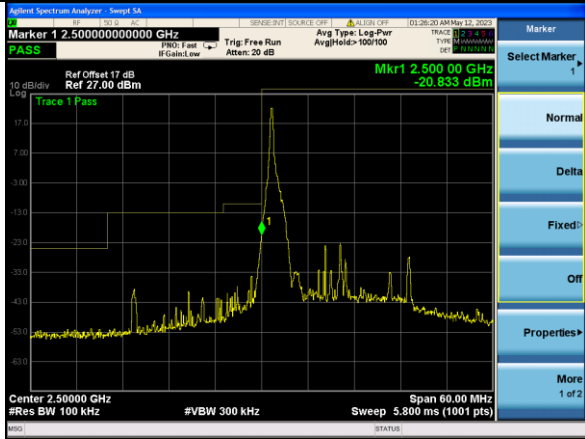


Lowest channel

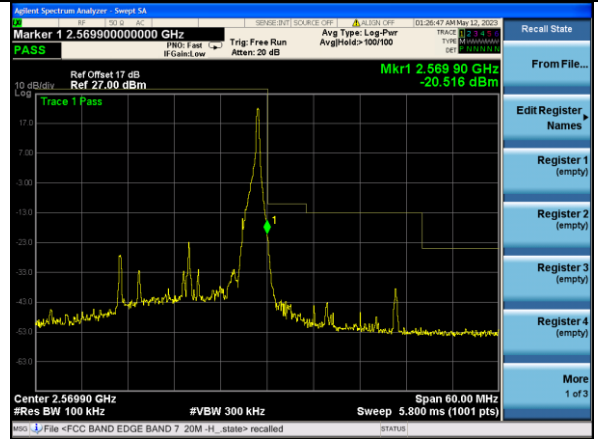


Highest channel

Test Mode: LTE Band 7 / 20MHz / 1RB / QPSK

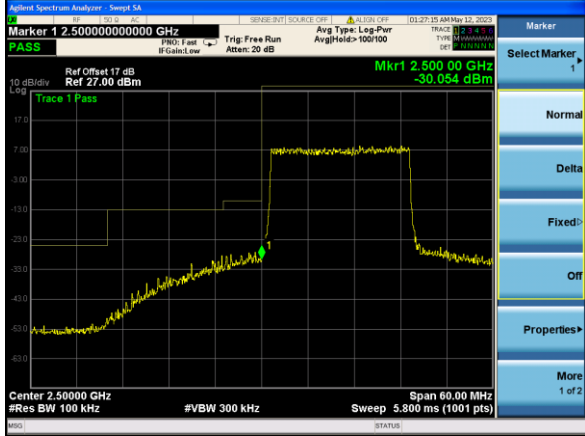


Lowest channel



Highest channel

Test Mode: LTE Band 7 / 20MHz / 100RB / QPSK

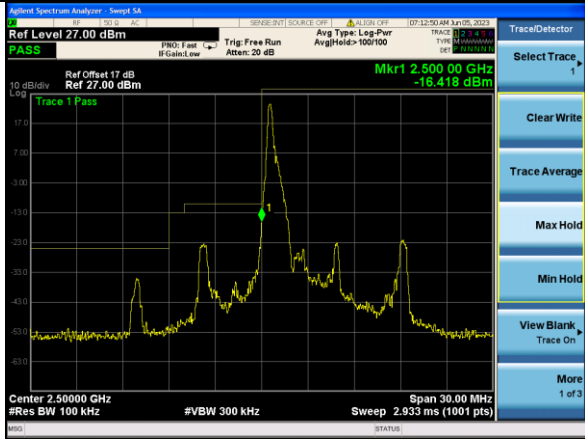


Lowest channel

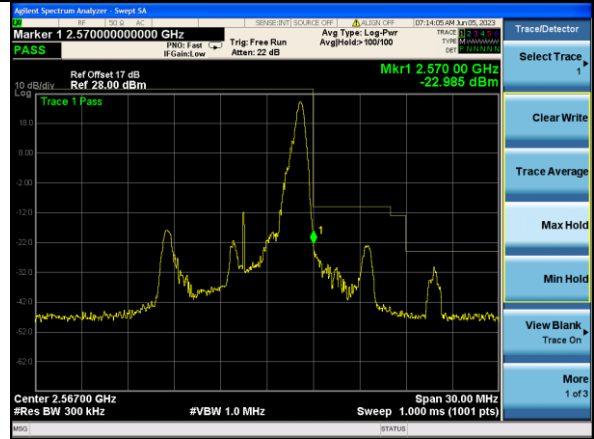


Highest channel

Test Mode: LTE Band 7 / 5MHz / 1RB / 16-QAM

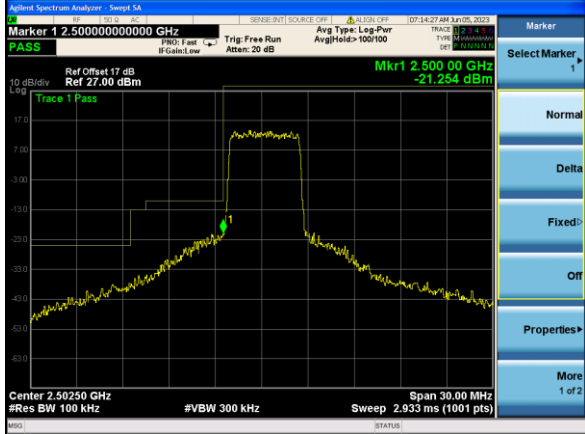


Lowest channel

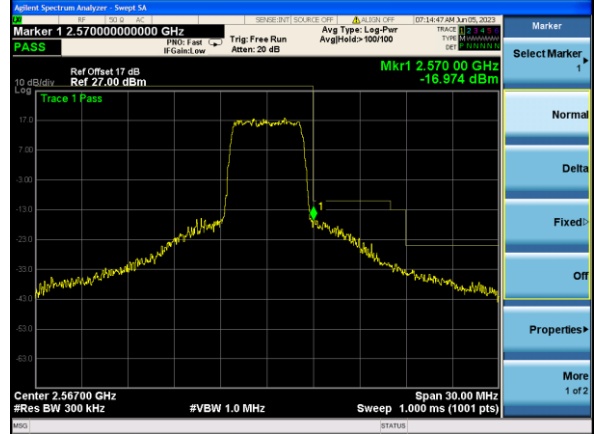


Highest channel

Test Mode: LTE Band 7 / 5MHz / 25RB / 16-QAM

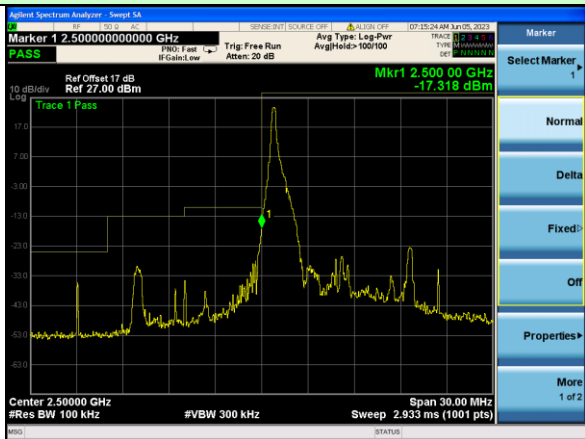


Lowest channel

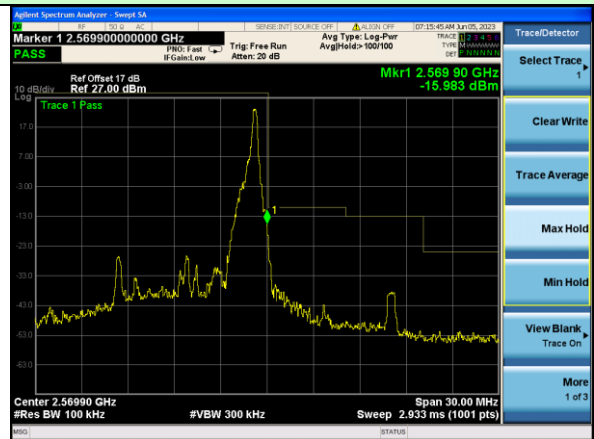


Highest channel

Test Mode: LTE Band 7 / 10MHz / 1RB / 16-QAM

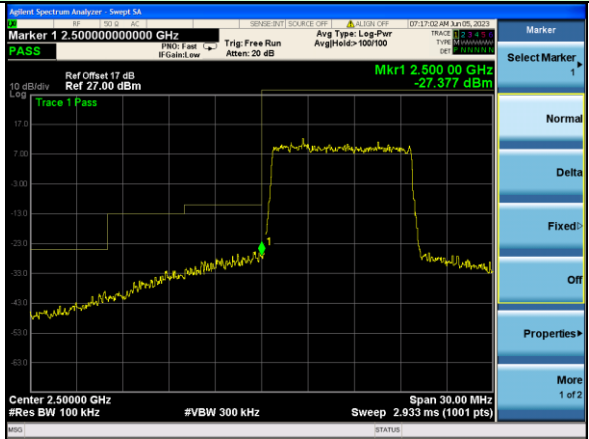


Lowest channel

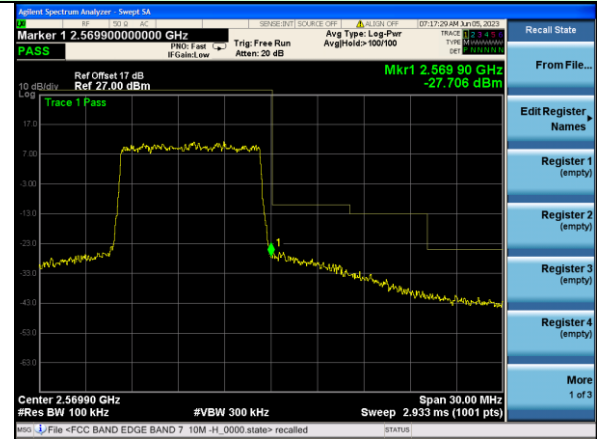


Highest channel

Test Mode: LTE Band 7 / 10MHz / 50RB / 16-QAM

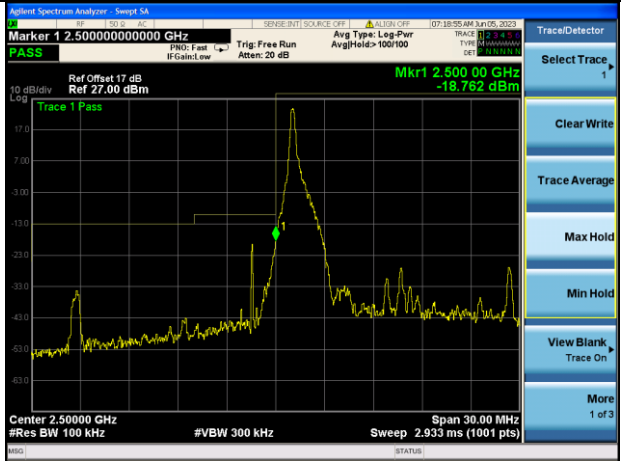


Lowest channel

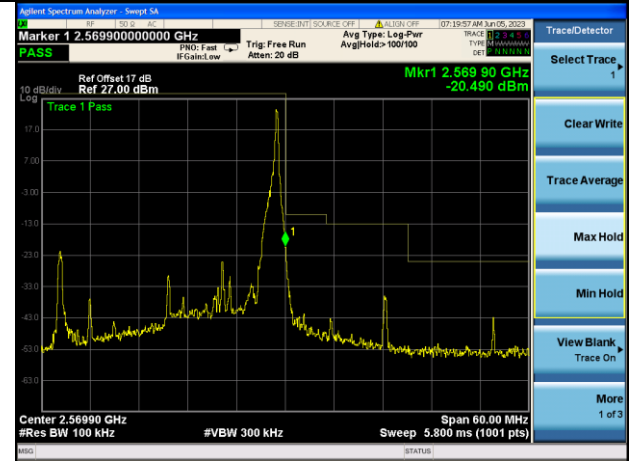


Highest channel

Test Mode: LTE Band 7 / 15MHz / 1RB / 16-QAM

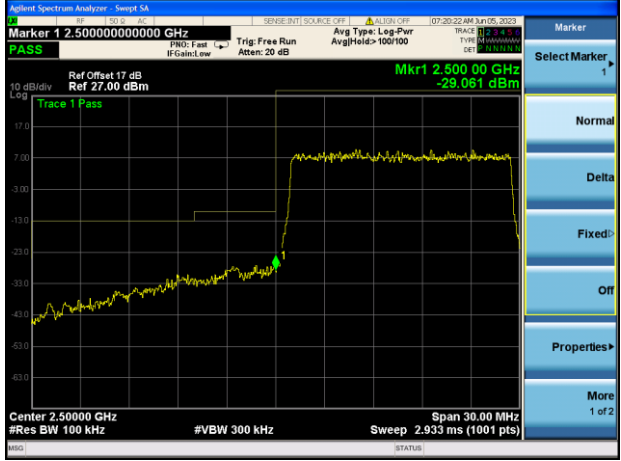


Lowest channel



Highest channel

Test Mode: LTE Band 7 / 15MHz / 75RB / 16-QAM

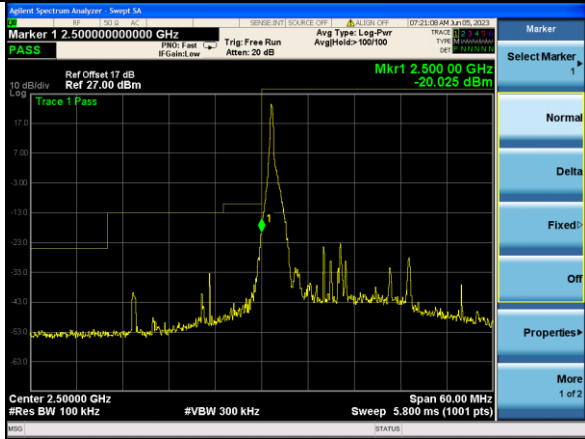


Lowest channel

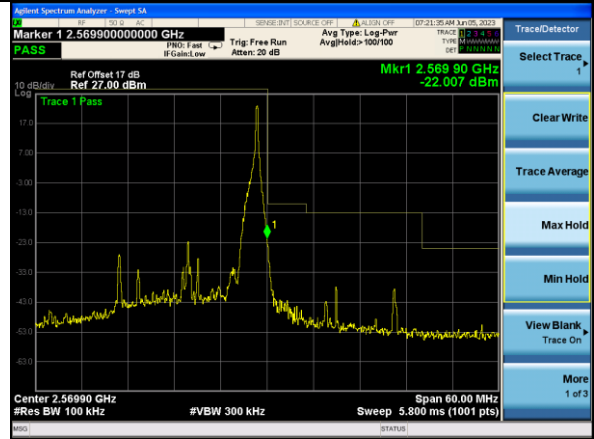


Highest channel

Test Mode: LTE Band 7 / 20MHz / 1RB / 16-QAM

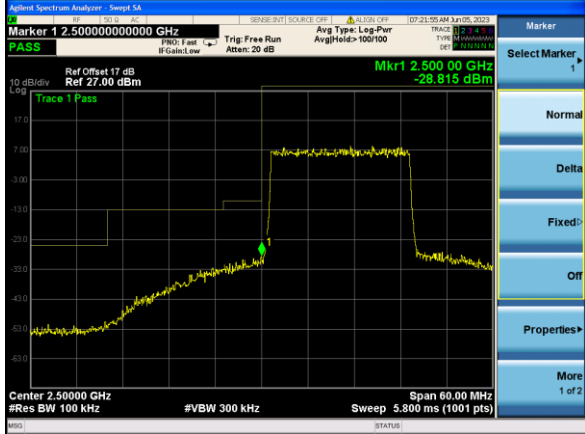


Lowest channel

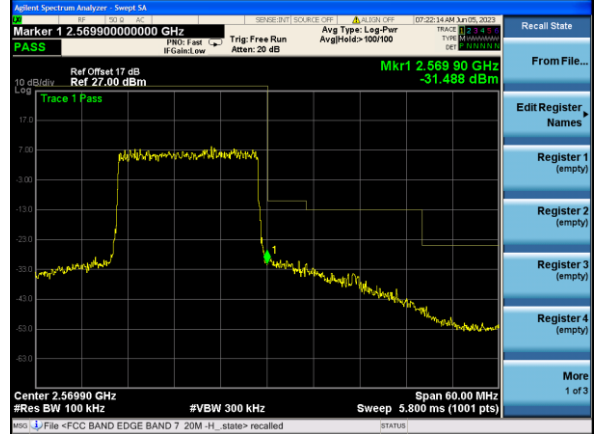


Highest channel

Test Mode: LTE Band 7 / 20MHz / 100RB / 16-QAM



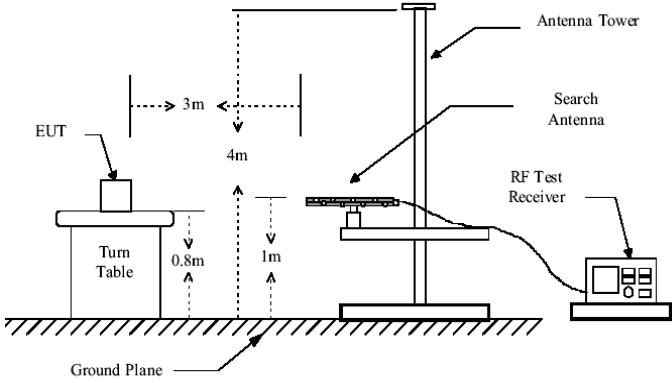
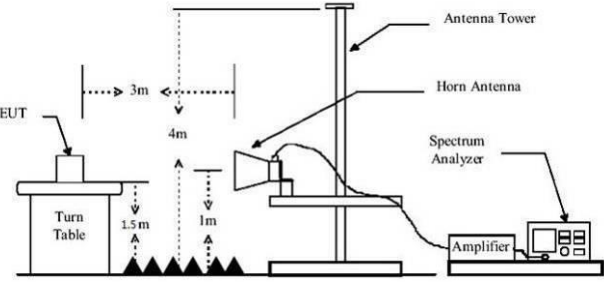
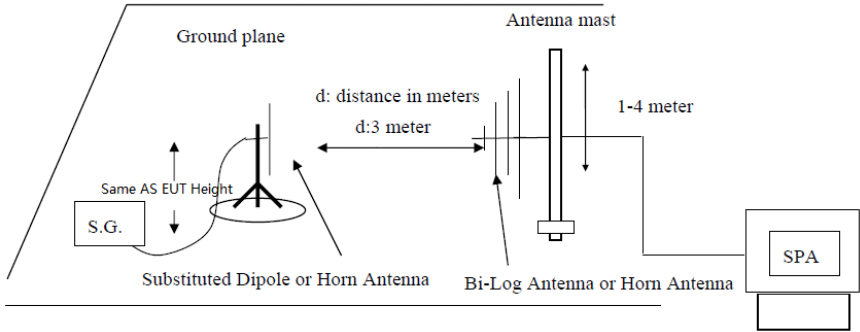
Lowest channel



Highest channel

Note: All bandwidth and modulation are tested, only the worst result is reported.

4.8 ERP, EIRP Measurement

| | |
|--------------------------|---|
| <p>Test Requirement:</p> | <p>FCC part22.913(a), FCC part24.232(b), FCC part 27.50(h) and FCC part 27.53</p> |
| <p>Test Method:</p> | <p>ANSI C63.26:2015</p> |
| <p>Limit:</p> | <p>LTE Band 2: 2W (EIRP) LTE Band 4: 1W (EIRP) LTE Band 5(Upper Band): [7W (ERP) for FCC] LTE Band 7: 2W (EIRP)</p> |
| <p>Test setup:</p> | <p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p>  |

| | |
|-------------------|--|
| Test Procedure: | <ol style="list-style-type: none"> 1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated asfollows: $\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$ 4. EIRP were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: $\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$ |
| Test Instruments: | Refer to section 3 for details |
| Test mode: | Refer to section 4.1 for details |
| Test results: | Pass |
| Remark: | H,E1,E2 mean for EUT polarization of X, Y, Z |

Measurement Data

| EUT mode | RB Size | RB Offset | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|--------------------------------|---------|-----------|---------|----------|--------------|------------|-------------|--------|
| LTE Band 2 (1.4MHz) QPSK | 6 | 0 | Lowest | H | V | 25.68 | 33.00 | Pass |
| | | | | | H | 24.09 | | |
| | | | | E1 | V | 24.66 | | |
| | | | | | H | 22.86 | | |
| | | | | E2 | V | 24.71 | | |
| | | | | | H | 23.17 | | |
| | 6 | 0 | Middle | H | V | 25.14 | 33.00 | Pass |
| | | | | | H | 24.24 | | |
| | | | | E1 | V | 24.41 | | |
| | | | | | H | 23.31 | | |
| | | | | E2 | V | 24.77 | | |
| | | | | | H | 22.17 | | |
| | 6 | 0 | Highest | H | V | 25.14 | 33.00 | Pass |
| | | | | | H | 24.28 | | |
| | | | | E1 | V | 24.17 | | |
| | | | | | H | 23.36 | | |
| | | | | E2 | V | 24.80 | | |
| | | | | | H | 22.49 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (3MHz) QPSK | Lowest | 15 | 0 | H | V | 25.12 | 33.00 | Pass |
| | | | | | H | 24.16 | | |
| | | | | E1 | V | 24.43 | | |
| | | | | | H | 23.31 | | |
| | | | | E2 | V | 25.67 | | |
| | | | | | H | 23.39 | | |
| | Middle | 15 | 0 | H | V | 25.94 | 33.00 | Pass |
| | | | | | H | 23.74 | | |
| | | | | E1 | V | 24.39 | | |
| | | | | | H | 23.46 | | |
| | | | | E2 | V | 24.82 | | |
| | | | | | H | 22.97 | | |
| | Highest | 15 | 0 | H | V | 24.90 | 33.00 | Pass |
| | | | | | H | 24.62 | | |
| | | | | E1 | V | 23.45 | | |
| | | | | | H | 22.71 | | |
| | | | | E2 | V | 24.77 | | |
| | | | | | H | 22.98 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (5MHz) QPSK | Lowest | 25 | 0 | H | V | 24.91 | 33.00 | Pass |
| | | | | | H | 24.27 | | |
| | | | | E1 | V | 24.88 | | |
| | | | | | H | 23.27 | | |
| | | | | E2 | V | 24.92 | | |
| | | | | | H | 23.12 | | |
| | Middle | 25 | 0 | H | V | 25.85 | 33.00 | Pass |
| | | | | | H | 24.02 | | |
| | | | | E1 | V | 24.89 | | |
| | | | | | H | 23.68 | | |
| | | | | E2 | V | 25.33 | | |
| | | | | | H | 22.74 | | |
| | Highest | 25 | 0 | H | V | 25.20 | 33.00 | Pass |
| | | | | | H | 24.43 | | |
| | | | | E1 | V | 24.97 | | |
| | | | | | H | 22.99 | | |
| | | | | E2 | V | 24.70 | | |
| | | | | | H | 22.56 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (10MHz) QPSK | Lowest | 50 | 0 | H | V | 24.59 | 33.00 | Pass |
| | | | | | H | 24.25 | | |
| | | | | E1 | V | 24.20 | | |
| | | | | | H | 22.78 | | |
| | | | | E2 | V | 24.93 | | |
| | | | | | H | 23.15 | | |
| | Middle | 50 | 0 | H | V | 24.64 | 33.00 | Pass |
| | | | | | H | 24.50 | | |
| | | | | E1 | V | 24.43 | | |
| | | | | | H | 22.56 | | |
| | | | | E2 | V | 24.34 | | |
| | | | | | H | 22.50 | | |
| | Highest | 50 | 0 | H | V | 25.41 | 33.00 | Pass |
| | | | | | H | 24.68 | | |
| | | | | E1 | V | 24.02 | | |
| | | | | | H | 23.35 | | |
| | | | | E2 | V | 25.01 | | |
| | | | | | H | 23.23 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (15MHz) QPSK | Lowest | 75 | 0 | H | V | 25.35 | 33.00 | Pass |
| | | | | | H | 24.80 | | |
| | | | | E1 | V | 24.65 | | |
| | | | | | H | 23.12 | | |
| | | | | E2 | V | 24.12 | | |
| | | | | | H | 22.71 | | |
| | Middle | 75 | 0 | H | V | 25.81 | 33.00 | Pass |
| | | | | | H | 24.03 | | |
| | | | | E1 | V | 23.79 | | |
| | | | | | H | 23.61 | | |
| | | | | E2 | V | 25.19 | | |
| | | | | | H | 23.31 | | |
| | Highest | 75 | 0 | H | V | 25.38 | 33.00 | Pass |
| | | | | | H | 24.19 | | |
| | | | | E1 | V | 24.39 | | |
| | | | | | H | 23.56 | | |
| | | | | E2 | V | 24.57 | | |
| | | | | | H | 22.95 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (20MHz) QPSK | Lowest | 100 | 0 | H | V | 24.65 | 33.00 | Pass |
| | | | | | H | 24.31 | | |
| | | | | E1 | V | 24.77 | | |
| | | | | | H | 23.39 | | |
| | | | | E2 | V | 24.85 | | |
| | | | | | H | 23.69 | | |
| | Middle | 100 | 0 | H | V | 25.52 | 33.00 | Pass |
| | | | | | H | 24.25 | | |
| | | | | E1 | V | 23.76 | | |
| | | | | | H | 23.13 | | |
| | | | | E2 | V | 24.95 | | |
| | | | | | H | 23.85 | | |
| | Highest | 100 | 0 | H | V | 24.97 | 33.00 | Pass |
| | | | | | H | 23.88 | | |
| | | | | E1 | V | 24.06 | | |
| | | | | | H | 22.88 | | |
| | | | | E2 | V | 25.62 | | |
| | | | | | H | 22.99 | | |

| EUT mode | RB Size | RB Offset | Channel | EUT Pol. | Antenna Pol. | EIRP (dBm) | Limit (dBm) | Result |
|----------------------------------|---------|-----------|---------|----------|--------------|------------|-------------|--------|
| LTE Band 2 (1.4MHz) 16 QAM | 6 | 0 | Lowest | H | V | 25.94 | 33.00 | Pass |
| | | | | | H | 23.88 | | |
| | | | | E1 | V | 24.55 | | |
| | | | | | H | 22.88 | | |
| | | | | E2 | V | 25.03 | | |
| | | | | | H | 23.27 | | |
| | 6 | 0 | Middle | H | V | 25.75 | 33.00 | Pass |
| | | | | | H | 24.38 | | |
| | | | | E1 | V | 24.76 | | |
| | | | | | H | 23.04 | | |
| | | | | E2 | V | 24.52 | | |
| | | | | | H | 23.01 | | |
| | 6 | 0 | Highest | H | V | 24.44 | 33.00 | Pass |
| | | | | | H | 24.24 | | |
| | | | | E1 | V | 24.41 | | |
| | | | | | H | 23.24 | | |
| | | | | E2 | V | 24.79 | | |
| | | | | | H | 23.09 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (3MHz) 16 QAM | Lowest | 15 | 0 | H | V | 25.06 | 33.00 | Pass |
| | | | | | H | 23.69 | | |
| | | | | E1 | V | 24.98 | | |
| | | | | | H | 22.77 | | |
| | | | | E2 | V | 25.16 | | |
| | | | | | H | 22.54 | | |
| | Middle | 15 | 0 | H | V | 25.91 | 33.00 | Pass |
| | | | | | H | 23.62 | | |
| | | | | E1 | V | 24.52 | | |
| | | | | | H | 23.53 | | |
| | | | | E2 | V | 25.33 | | |
| | | | | | H | 22.54 | | |
| | Highest | 15 | 0 | H | V | 25.90 | 33.00 | Pass |
| | | | | | H | 23.86 | | |
| | | | | E1 | V | 24.13 | | |
| | | | | | H | 23.37 | | |
| | | | | E2 | V | 25.03 | | |
| | | | | | H | 23.16 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (5MHz) 16 QAM | Lowest | 25 | 0 | H | V | 25.41 | 33.00 | Pass |
| | | | | | H | 24.25 | | |
| | | | | E1 | V | 23.75 | | |
| | | | | | H | 23.32 | | |
| | | | | E2 | V | 25.35 | | |
| | | | | | H | 22.86 | | |
| | Middle | 25 | 0 | H | V | 25.81 | 33.00 | Pass |
| | | | | | H | 24.38 | | |
| | | | | E1 | V | 23.82 | | |
| | | | | | H | 22.82 | | |
| | | | | E2 | V | 25.09 | | |
| | | | | | H | 23.70 | | |
| | Highest | 25 | 0 | H | V | 24.79 | 33.00 | Pass |
| | | | | | H | 24.23 | | |
| | | | | E1 | V | 23.51 | | |
| | | | | | H | 23.65 | | |
| | | | | E2 | V | 25.25 | | |
| | | | | | H | 22.85 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (10MHz) 16 QAM | Lowest | 50 | 0 | H | V | 25.29 | 33.00 | Pass |
| | | | | | H | 23.96 | | |
| | | | | E1 | V | 24.72 | | |
| | | | | | H | 22.43 | | |
| | | | | E2 | V | 25.19 | | |
| | | | | | H | 23.21 | | |
| | Middle | 50 | 0 | H | V | 24.61 | 33.00 | Pass |
| | | | | | H | 25.08 | | |
| | | | | E1 | V | 23.48 | | |
| | | | | | H | 23.19 | | |
| | | | | E2 | V | 25.47 | | |
| | | | | | H | 22.63 | | |
| | Highest | 50 | 0 | H | V | 24.62 | 33.00 | Pass |
| | | | | | H | 24.18 | | |
| | | | | E1 | V | 24.43 | | |
| | | | | | H | 22.30 | | |
| | | | | E2 | V | 24.44 | | |
| | | | | | H | 22.86 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (15MHz) 16 QAM | Lowest | 75 | 0 | H | V | 24.55 | 33.00 | Pass |
| | | | | | H | 24.83 | | |
| | | | | E1 | V | 23.07 | | |
| | | | | | H | 24.94 | | |
| | | | | E2 | V | 22.84 | | |
| | | | | | H | 25.78 | | |
| | Middle | 75 | 0 | H | V | 24.82 | 33.00 | Pass |
| | | | | | H | 24.80 | | |
| | | | | E1 | V | 23.10 | | |
| | | | | | H | 25.29 | | |
| | | | | E2 | V | 22.73 | | |
| | | | | | H | 25.66 | | |
| | Highest | 75 | 0 | H | V | 24.38 | 33.00 | Pass |
| | | | | | H | 24.28 | | |
| | | | | E1 | V | 23.35 | | |
| | | | | | H | 25.57 | | |
| | | | | E2 | V | 22.75 | | |
| | | | | | H | 24.12 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 2 (20MHz) 16 QAM | Lowest | 100 | 0 | H | V | 25.70 | 33.00 | Pass |
| | | | | | H | 24.60 | | |
| | | | | E1 | V | 24.67 | | |
| | | | | | H | 22.90 | | |
| | | | | E2 | V | 25.23 | | |
| | | | | | H | 22.35 | | |
| | Middle | 100 | 0 | H | V | 24.57 | 33.00 | Pass |
| | | | | | H | 24.49 | | |
| | | | | E1 | V | 24.39 | | |
| | | | | | H | 23.96 | | |
| | | | | E2 | V | 24.73 | | |
| | | | | | H | 23.51 | | |
| | Highest | 100 | 0 | H | V | 25.67 | 33.00 | Pass |
| | | | | | H | 23.96 | | |
| | | | | E1 | V | 24.18 | | |
| | | | | | H | 23.58 | | |
| | | | | E2 | V | 25.25 | | |
| | | | | | H | 23.21 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (1.4MHz) QPSK | Lowest | 6 | 0 | H | V | 23.53 | 30.00 | Pass |
| | | | | | H | 21.98 | | |
| | | | | E1 | V | 23.45 | | |
| | | | | | H | 22.43 | | |
| | | | | E2 | V | 23.42 | | |
| | | | | | H | 20.89 | | |
| | Middle | 6 | 0 | H | V | 23.48 | 30.00 | Pass |
| | | | | | H | 21.48 | | |
| | | | | E1 | V | 21.48 | | |
| | | | | | H | 20.41 | | |
| | | | | E2 | V | 22.08 | | |
| | | | | | H | 23.68 | | |
| | Highest | 6 | 0 | H | V | 20.52 | 30.00 | Pass |
| | | | | | H | 22.56 | | |
| | | | | E1 | V | 23.27 | | |
| | | | | | H | 21.90 | | |
| | | | | E2 | V | 23.52 | | |
| | | | | | H | 22.62 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (3MHz) QPSK | Lowest | 15 | 0 | H | V | 23.76 | 30.00 | Pass |
| | | | | | H | 21.69 | | |
| | | | | E1 | V | 23.28 | | |
| | | | | | H | 22.36 | | |
| | | | | E2 | V | 24.59 | | |
| | | | | | H | 21.35 | | |
| | Middle | 15 | 0 | H | V | 23.84 | 30.00 | Pass |
| | | | | | H | 22.05 | | |
| | | | | E1 | V | 21.60 | | |
| | | | | | H | 21.44 | | |
| | | | | E2 | V | 22.24 | | |
| | | | | | H | 23.04 | | |
| | Highest | 15 | 0 | H | V | 20.83 | 30.00 | Pass |
| | | | | | H | 22.88 | | |
| | | | | E1 | V | 22.30 | | |
| | | | | | H | 22.49 | | |
| | | | | E2 | V | 23.65 | | |
| | | | | | H | 21.74 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (5MHz) QPSK | Lowest | 25 | 0 | H | V | 24.80 | 30.00 | Pass |
| | | | | | H | 21.75 | | |
| | | | | E1 | V | 23.19 | | |
| | | | | | H | 22.29 | | |
| | | | | E2 | V | 23.96 | | |
| | | | | | H | 20.56 | | |
| | Middle | 25 | 0 | H | V | 22.86 | 30.00 | Pass |
| | | | | | H | 21.39 | | |
| | | | | E1 | V | 21.80 | | |
| | | | | | H | 21.19 | | |
| | | | | E2 | V | 22.11 | | |
| | | | | | H | 22.94 | | |
| | Highest | 25 | 0 | H | V | 20.43 | 30.00 | Pass |
| | | | | | H | 23.18 | | |
| | | | | E1 | V | 22.67 | | |
| | | | | | H | 22.63 | | |
| | | | | E2 | V | 23.41 | | |
| | | | | | H | 22.16 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (10MHz) QPSK | Lowest | 50 | 0 | H | V | 24.03 | 30.00 | Pass |
| | | | | | H | 21.60 | | |
| | | | | E1 | V | 23.52 | | |
| | | | | | H | 21.65 | | |
| | | | | E2 | V | 23.29 | | |
| | | | | | H | 20.81 | | |
| | Middle | 50 | 0 | H | V | 23.81 | 30.00 | Pass |
| | | | | | H | 21.81 | | |
| | | | | E1 | V | 21.97 | | |
| | | | | | H | 21.14 | | |
| | | | | E2 | V | 22.23 | | |
| | | | | | H | 23.43 | | |
| | Highest | 50 | 0 | H | V | 21.24 | 30.00 | Pass |
| | | | | | H | 23.29 | | |
| | | | | E1 | V | 22.27 | | |
| | | | | | H | 22.87 | | |
| | | | | E2 | V | 23.88 | | |
| | | | | | H | 22.28 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (15MHz) QPSK | Lowest | 75 | 0 | H | V | 23.98 | 30.00 | Pass |
| | | | | | H | 22.37 | | |
| | | | | E1 | V | 23.27 | | |
| | | | | | H | 22.03 | | |
| | | | | E2 | V | 23.47 | | |
| | | | | | H | 20.70 | | |
| | Middle | 75 | 0 | H | V | 23.77 | 30.00 | Pass |
| | | | | | H | 20.76 | | |
| | | | | E1 | V | 21.45 | | |
| | | | | | H | 20.99 | | |
| | | | | E2 | V | 22.57 | | |
| | | | | | H | 22.38 | | |
| | Highest | 75 | 0 | H | V | 20.61 | 30.00 | Pass |
| | | | | | H | 23.26 | | |
| | | | | E1 | V | 22.91 | | |
| | | | | | H | 22.02 | | |
| | | | | E2 | V | 23.41 | | |
| | | | | | H | 22.17 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (20MHz) QPSK | Lowest | 100 | 0 | H | V | 24.11 | 30.00 | Pass |
| | | | | | H | 22.49 | | |
| | | | | E1 | V | 23.69 | | |
| | | | | | H | 22.50 | | |
| | | | | E2 | V | 23.79 | | |
| | | | | | H | 21.73 | | |
| | Middle | 100 | 0 | H | V | 23.11 | 30.00 | Pass |
| | | | | | H | 21.87 | | |
| | | | | E1 | V | 21.73 | | |
| | | | | | H | 20.80 | | |
| | | | | E2 | V | 21.74 | | |
| | | | | | H | 22.10 | | |
| | Highest | 100 | 0 | H | V | 21.12 | 30.00 | Pass |
| | | | | | H | 23.01 | | |
| | | | | E1 | V | 23.04 | | |
| | | | | | H | 21.70 | | |
| | | | | E2 | V | 24.26 | | |
| | | | | | H | 21.69 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|----------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (1.4MHz) 16 QAM | Lowest | 6 | 0 | H | V | 23.47 | 30.00 | Pass |
| | | | | | H | 22.72 | | |
| | | | | E1 | V | 22.95 | | |
| | | | | | H | 21.57 | | |
| | | | | E2 | V | 24.01 | | |
| | | | | | H | 20.93 | | |
| | Middle | 6 | 0 | H | V | 22.63 | 30.00 | Pass |
| | | | | | H | 21.31 | | |
| | | | | E1 | V | 21.52 | | |
| | | | | | H | 20.76 | | |
| | | | | E2 | V | 22.22 | | |
| | | | | | H | 23.09 | | |
| | Highest | 6 | 0 | H | V | 20.39 | 30.00 | Pass |
| | | | | | H | 23.21 | | |
| | | | | E1 | V | 22.88 | | |
| | | | | | H | 21.55 | | |
| | | | | E2 | V | 23.25 | | |
| | | | | | H | 22.00 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (3MHz) 16 QAM | Lowest | 15 | 0 | H | V | 24.15 | 30.00 | Pass |
| | | | | | H | 22.04 | | |
| | | | | E1 | V | 23.53 | | |
| | | | | | H | 22.83 | | |
| | | | | E2 | V | 24.56 | | |
| | | | | | H | 21.47 | | |
| | Middle | 15 | 0 | H | V | 23.87 | 30.00 | Pass |
| | | | | | H | 21.62 | | |
| | | | | E1 | V | 21.74 | | |
| | | | | | H | 21.31 | | |
| | | | | E2 | V | 22.10 | | |
| | | | | | H | 22.67 | | |
| | Highest | 15 | 0 | H | V | 20.15 | 30.00 | Pass |
| | | | | | H | 23.16 | | |
| | | | | E1 | V | 23.04 | | |
| | | | | | H | 22.78 | | |
| | | | | E2 | V | 23.84 | | |
| | | | | | H | 21.39 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (5MHz) 16 QAM | Lowest | 25 | 0 | H | V | 24.04 | 30.00 | Pass |
| | | | | | H | 21.48 | | |
| | | | | E1 | V | 23.58 | | |
| | | | | | H | 22.35 | | |
| | | | | E2 | V | 23.89 | | |
| | | | | | H | 21.74 | | |
| | Middle | 25 | 0 | H | V | 23.18 | 30.00 | Pass |
| | | | | | H | 21.57 | | |
| | | | | E1 | V | 21.98 | | |
| | | | | | H | 21.76 | | |
| | | | | E2 | V | 22.24 | | |
| | | | | | H | 22.53 | | |
| | Highest | 25 | 0 | H | V | 21.07 | 30.00 | Pass |
| | | | | | H | 22.67 | | |
| | | | | E1 | V | 22.68 | | |
| | | | | | H | 22.89 | | |
| | | | | E2 | V | 23.31 | | |
| | | | | | H | 22.34 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (10MHz) 16 QAM | Lowest | 50 | 0 | H | V | 24.13 | 30.00 | Pass |
| | | | | | H | 22.75 | | |
| | | | | E1 | V | 23.67 | | |
| | | | | | H | 22.14 | | |
| | | | | E2 | V | 23.90 | | |
| | | | | | H | 21.29 | | |
| | Middle | 50 | 0 | H | V | 23.42 | 30.00 | Pass |
| | | | | | H | 21.29 | | |
| | | | | E1 | V | 21.46 | | |
| | | | | | H | 21.29 | | |
| | | | | E2 | V | 22.91 | | |
| | | | | | H | 23.04 | | |
| | Highest | 50 | 0 | H | V | 21.36 | 30.00 | Pass |
| | | | | | H | 22.98 | | |
| | | | | E1 | V | 23.38 | | |
| | | | | | H | 21.83 | | |
| | | | | E2 | V | 23.95 | | |
| | | | | | H | 23.92 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (15MHz) 16 QAM | Lowest | 75 | 0 | H | V | 24.40 | 30.00 | Pass |
| | | | | | H | 21.77 | | |
| | | | | E1 | V | 23.00 | | |
| | | | | | H | 21.69 | | |
| | | | | E2 | V | 24.00 | | |
| | | | | | H | 21.21 | | |
| | Middle | 75 | 0 | H | V | 23.63 | 30.00 | Pass |
| | | | | | H | 21.58 | | |
| | | | | E1 | V | 21.98 | | |
| | | | | | H | 21.43 | | |
| | | | | E2 | V | 22.47 | | |
| | | | | | H | 22.92 | | |
| | Highest | 75 | 0 | H | V | 21.13 | 30.00 | Pass |
| | | | | | H | 23.25 | | |
| | | | | E1 | V | 23.02 | | |
| | | | | | H | 22.22 | | |
| | | | | E2 | V | 23.63 | | |
| | | | | | H | 22.65 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 4 (20MHz) 16 QAM | Lowest | 100 | 0 | H | V | 24.02 | 30.00 | Pass |
| | | | | | H | 21.79 | | |
| | | | | E1 | V | 22.50 | | |
| | | | | | H | 22.03 | | |
| | | | | E2 | V | 24.42 | | |
| | | | | | H | 21.82 | | |
| | Middle | 100 | 0 | H | V | 23.14 | 30.00 | Pass |
| | | | | | H | 21.31 | | |
| | | | | E1 | V | 21.84 | | |
| | | | | | H | 21.54 | | |
| | | | | E2 | V | 22.12 | | |
| | | | | | H | 22.47 | | |
| | Highest | 100 | 0 | H | V | 20.16 | 30.00 | Pass |
| | | | | | H | 22.70 | | |
| | | | | E1 | V | 22.70 | | |
| | | | | | H | 21.98 | | |
| | | | | E2 | V | 23.63 | | |
| | | | | | H | 21.50 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (1.4MHz) QPSK | Lowest | 6 | 0 | H | V | 23.68 | 38.45 | Pass |
| | | | | | H | 22.35 | | |
| | | | | E1 | V | 22.81 | | |
| | | | | | H | 22.95 | | |
| | | | | E2 | V | 23.97 | | |
| | | | | | H | 20.36 | | |
| | Middle | 6 | 0 | H | V | 23.23 | 38.45 | Pass |
| | | | | | H | 21.99 | | |
| | | | | E1 | V | 21.93 | | |
| | | | | | H | 21.57 | | |
| | | | | E2 | V | 21.82 | | |
| | | | | | H | 22.02 | | |
| | Highest | 6 | 0 | H | V | 21.61 | 38.45 | Pass |
| | | | | | H | 23.65 | | |
| | | | | E1 | V | 23.33 | | |
| | | | | | H | 22.54 | | |
| | | | | E2 | V | 22.79 | | |
| | | | | | H | 22.13 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (3MHz) QPSK | Lowest | 15 | 0 | H | V | 24.78 | 38.45 | Pass |
| | | | | | H | 21.64 | | |
| | | | | E1 | V | 23.16 | | |
| | | | | | H | 23.34 | | |
| | | | | E2 | V | 23.63 | | |
| | | | | | H | 20.71 | | |
| | Middle | 15 | 0 | H | V | 23.61 | 38.45 | Pass |
| | | | | | H | 22.10 | | |
| | | | | E1 | V | 20.96 | | |
| | | | | | H | 20.99 | | |
| | | | | E2 | V | 22.83 | | |
| | | | | | H | 22.84 | | |
| | Highest | 15 | 0 | H | V | 21.22 | 38.45 | Pass |
| | | | | | H | 22.96 | | |
| | | | | E1 | V | 23.55 | | |
| | | | | | H | 21.72 | | |
| | | | | E2 | V | 24.20 | | |
| | | | | | H | 21.49 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (5MHz) QPSK | Lowest | 25 | 0 | H | V | 24.00 | 38.45 | Pass |
| | | | | | H | 22.86 | | |
| | | | | E1 | V | 23.54 | | |
| | | | | | H | 21.94 | | |
| | | | | E2 | V | 24.10 | | |
| | | | | | H | 20.17 | | |
| | Middle | 25 | 0 | H | V | 22.80 | 38.45 | Pass |
| | | | | | H | 22.10 | | |
| | | | | E1 | V | 21.96 | | |
| | | | | | H | 20.39 | | |
| | | | | E2 | V | 22.16 | | |
| | | | | | H | 22.87 | | |
| | Highest | 25 | 0 | H | V | 21.12 | 38.45 | Pass |
| | | | | | H | 23.52 | | |
| | | | | E1 | V | 23.15 | | |
| | | | | | H | 22.63 | | |
| | | | | E2 | V | 23.69 | | |
| | | | | | H | 22.32 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (10MHz) QPSK | Lowest | 50 | 0 | H | V | 23.64 | 38.45 | Pass |
| | | | | | H | 21.43 | | |
| | | | | E1 | V | 23.59 | | |
| | | | | | H | 22.27 | | |
| | | | | E2 | V | 24.44 | | |
| | | | | | H | 20.23 | | |
| | Middle | 50 | 0 | H | V | 23.37 | 38.45 | Pass |
| | | | | | H | 21.83 | | |
| | | | | E1 | V | 22.46 | | |
| | | | | | H | 21.42 | | |
| | | | | E2 | V | 21.70 | | |
| | | | | | H | 22.84 | | |
| | Highest | 50 | 0 | H | V | 21.33 | 38.45 | Pass |
| | | | | | H | 22.97 | | |
| | | | | E1 | V | 22.02 | | |
| | | | | | H | 23.02 | | |
| | | | | E2 | V | 22.95 | | |
| | | | | | H | 21.87 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|----------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (1.4MHz) 16 QAM | Lowest | 6 | 0 | H | V | 23.93 | 38.45 | Pass |
| | | | | | H | 22.56 | | |
| | | | | E1 | V | 22.39 | | |
| | | | | | H | 23.15 | | |
| | | | | E2 | V | 24.50 | | |
| | | | | | H | 20.74 | | |
| | Middle | 6 | 0 | H | V | 22.65 | 38.45 | Pass |
| | | | | | H | 21.44 | | |
| | | | | E1 | V | 21.78 | | |
| | | | | | H | 21.90 | | |
| | | | | E2 | V | 22.25 | | |
| | | | | | H | 22.72 | | |
| | Highest | 6 | 0 | H | V | 21.67 | 38.45 | Pass |
| | | | | | H | 22.73 | | |
| | | | | E1 | V | 22.62 | | |
| | | | | | H | 22.04 | | |
| | | | | E2 | V | 23.64 | | |
| | | | | | H | 23.33 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (3MHz) 16 QAM | Lowest | 15 | 0 | H | V | 23.94 | 38.45 | Pass |
| | | | | | H | 22.10 | | |
| | | | | E1 | V | 23.45 | | |
| | | | | | H | 23.02 | | |
| | | | | E2 | V | 23.71 | | |
| | | | | | H | 20.34 | | |
| | Middle | 15 | 0 | H | V | 23.41 | 38.45 | Pass |
| | | | | | H | 22.33 | | |
| | | | | E1 | V | 21.37 | | |
| | | | | | H | 20.98 | | |
| | | | | E2 | V | 21.11 | | |
| | | | | | H | 22.64 | | |
| | Highest | 15 | 0 | H | V | 21.57 | 38.45 | Pass |
| | | | | | H | 22.98 | | |
| | | | | E1 | V | 23.06 | | |
| | | | | | H | 22.44 | | |
| | | | | E2 | V | 23.50 | | |
| | | | | | H | 21.98 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (5MHz) 16 QAM | Lowest | 25 | 0 | H | V | 23.83 | 38.45 | Pass |
| | | | | | H | 22.18 | | |
| | | | | E1 | V | 22.82 | | |
| | | | | | H | 22.21 | | |
| | | | | E2 | V | 24.67 | | |
| | | | | | H | 20.99 | | |
| | Middle | 25 | 0 | H | V | 23.70 | 38.45 | Pass |
| | | | | | H | 21.53 | | |
| | | | | E1 | V | 22.48 | | |
| | | | | | H | 20.96 | | |
| | | | | E2 | V | 21.94 | | |
| | | | | | H | 23.37 | | |
| | Highest | 25 | 0 | H | V | 20.26 | 38.45 | Pass |
| | | | | | H | 22.94 | | |
| | | | | E1 | V | 22.19 | | |
| | | | | | H | 21.84 | | |
| | | | | E2 | V | 23.68 | | |
| | | | | | H | 22.77 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | ERP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|----------|-------------|--------|
| LTE Band 5 (10MHz) 16 QAM | Lowest | 50 | 0 | H | V | 24.00 | 38.45 | Pass |
| | | | | | H | 21.86 | | |
| | | | | E1 | V | 23.53 | | |
| | | | | | H | 22.33 | | |
| | | | | E2 | V | 23.82 | | |
| | | | | | H | 21.13 | | |
| | Middle | 50 | 0 | H | V | 23.44 | 38.45 | Pass |
| | | | | | H | 22.26 | | |
| | | | | E1 | V | 22.29 | | |
| | | | | | H | 21.30 | | |
| | | | | E2 | V | 22.62 | | |
| | | | | | H | 22.61 | | |
| | Highest | 50 | 0 | H | V | 20.30 | 38.45 | Pass |
| | | | | | H | 23.50 | | |
| | | | | E1 | V | 22.61 | | |
| | | | | | H | 22.67 | | |
| | | | | E2 | V | 24.01 | | |
| | | | | | H | 22.00 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (5MHz) QPSK | Lowest | 25 | 0 | H | V | 24.23 | 33.00 | Pass |
| | | | | | H | 21.90 | | |
| | | | | E1 | V | 24.18 | | |
| | | | | | H | 21.69 | | |
| | | | | E2 | V | 23.85 | | |
| | | | | | H | 20.31 | | |
| | Middle | 25 | 0 | H | V | 23.87 | 33.00 | Pass |
| | | | | | H | 21.39 | | |
| | | | | E1 | V | 21.99 | | |
| | | | | | H | 20.96 | | |
| | | | | E2 | V | 22.06 | | |
| | | | | | H | 22.79 | | |
| | Highest | 25 | 0 | H | V | 21.20 | 33.00 | Pass |
| | | | | | H | 23.38 | | |
| | | | | E1 | V | 22.82 | | |
| | | | | | H | 22.10 | | |
| | | | | E2 | V | 23.71 | | |
| | | | | | H | 21.46 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (10MHz) QPSK | Lowest | 50 | 0 | H | V | 24.23 | 33.00 | Pass |
| | | | | | H | 21.98 | | |
| | | | | E1 | V | 23.24 | | |
| | | | | | H | 22.26 | | |
| | | | | E2 | V | 23.65 | | |
| | | | | | H | 21.56 | | |
| | Middle | 50 | 0 | H | V | 22.66 | 33.00 | Pass |
| | | | | | H | 22.13 | | |
| | | | | E1 | V | 21.76 | | |
| | | | | | H | 21.21 | | |
| | | | | E2 | V | 21.96 | | |
| | | | | | H | 22.62 | | |
| | Highest | 50 | 0 | H | V | 21.53 | 33.00 | Pass |
| | | | | | H | 23.28 | | |
| | | | | E1 | V | 21.94 | | |
| | | | | | H | 22.36 | | |
| | | | | E2 | V | 22.78 | | |
| | | | | | H | 21.90 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (15MHz) QPSK | Lowest | 75 | 0 | H | V | 22.43 | 33.00 | Pass |
| | | | | | H | 21.57 | | |
| | | | | E1 | V | 22.38 | | |
| | | | | | H | 21.74 | | |
| | | | | E2 | V | 22.82 | | |
| | | | | | H | 21.62 | | |
| | Middle | 75 | 0 | H | V | 22.21 | 33.00 | Pass |
| | | | | | H | 21.19 | | |
| | | | | E1 | V | 21.66 | | |
| | | | | | H | 22.10 | | |
| | | | | E2 | V | 22.65 | | |
| | | | | | H | 21.55 | | |
| | Highest | 75 | 0 | H | V | 22.63 | 33.00 | Pass |
| | | | | | H | 21.30 | | |
| | | | | E1 | V | 22.55 | | |
| | | | | | H | 21.76 | | |
| | | | | E2 | V | 22.81 | | |
| | | | | | H | 22.21 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|-------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (20MHz) QPSK | Lowest | 100 | 0 | H | V | 22.55 | 33.00 | Pass |
| | | | | | H | 21.32 | | |
| | | | | E1 | V | 22.96 | | |
| | | | | | H | 21.81 | | |
| | | | | E2 | V | 22.84 | | |
| | | | | | H | 21.91 | | |
| | Middle | 100 | 0 | H | V | 21.97 | 33.00 | Pass |
| | | | | | H | 21.39 | | |
| | | | | E1 | V | 22.30 | | |
| | | | | | H | 21.14 | | |
| | | | | E2 | V | 22.35 | | |
| | | | | | H | 21.20 | | |
| | Highest | 100 | 0 | H | V | 22.79 | 33.00 | Pass |
| | | | | | H | 22.04 | | |
| | | | | E1 | V | 22.70 | | |
| | | | | | H | 22.09 | | |
| | | | | E2 | V | 22.75 | | |
| | | | | | H | 22.00 | | |

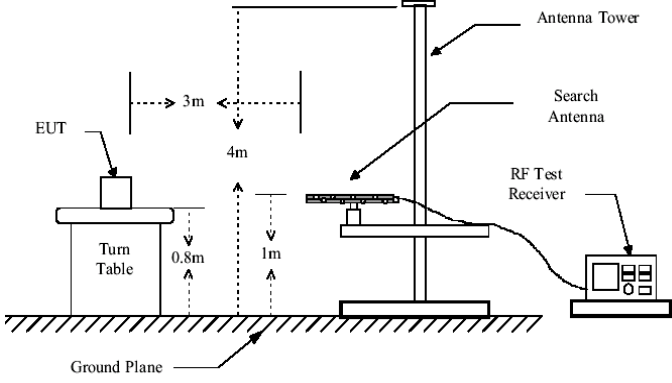
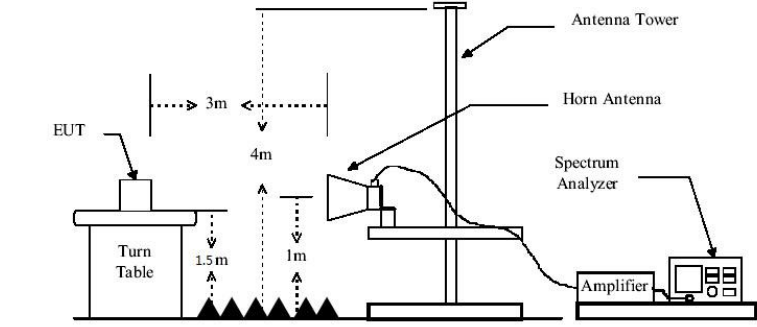
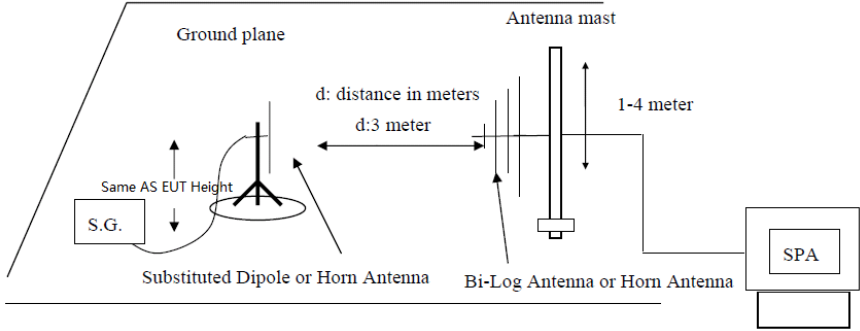
| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|--------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (5MHz) 16 QAM | Lowest | 25 | 0 | H | V | 21.79 | 33.00 | Pass |
| | | | | | H | 21.46 | | |
| | | | | E1 | V | 22.04 | | |
| | | | | | H | 21.66 | | |
| | | | | E2 | V | 22.02 | | |
| | | | | | H | 21.56 | | |
| | Middle | 25 | 0 | H | V | 22.66 | 33.00 | Pass |
| | | | | | H | 21.14 | | |
| | | | | E1 | V | 22.49 | | |
| | | | | | H | 21.84 | | |
| | | | | E2 | V | 22.37 | | |
| | | | | | H | 21.42 | | |
| | Highest | 25 | 0 | H | V | 22.89 | 33.00 | Pass |
| | | | | | H | 21.30 | | |
| | | | | E1 | V | 22.73 | | |
| | | | | | H | 21.77 | | |
| | | | | E2 | V | 22.57 | | |
| | | | | | H | 21.78 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (10MHz) 16 QAM | Lowest | 50 | 0 | H | V | 23.19 | 33.00 | Pass |
| | | | | | H | 21.31 | | |
| | | | | E1 | V | 22.39 | | |
| | | | | | H | 20.87 | | |
| | | | | E2 | V | 22.47 | | |
| | | | | | H | 22.00 | | |
| | Middle | 50 | 0 | H | V | 22.68 | 33.00 | Pass |
| | | | | | H | 22.03 | | |
| | | | | E1 | V | 22.50 | | |
| | | | | | H | 21.66 | | |
| | | | | E2 | V | 23.08 | | |
| | | | | | H | 21.62 | | |
| | Highest | 50 | 0 | H | V | 23.40 | 33.00 | Pass |
| | | | | | H | 21.28 | | |
| | | | | E1 | V | 22.04 | | |
| | | | | | H | 22.15 | | |
| | | | | E2 | V | 22.22 | | |
| | | | | | H | 21.26 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (15MHz) 16 QAM | Lowest | 75 | 0 | H | V | 22.05 | 33.00 | Pass |
| | | | | | H | 20.79 | | |
| | | | | E1 | V | 23.06 | | |
| | | | | | H | 21.60 | | |
| | | | | E2 | V | 22.77 | | |
| | | | | | H | 21.84 | | |
| | Middle | 75 | 0 | H | V | 22.50 | 33.00 | Pass |
| | | | | | H | 20.89 | | |
| | | | | E1 | V | 22.44 | | |
| | | | | | H | 21.65 | | |
| | | | | E2 | V | 23.20 | | |
| | | | | | H | 21.40 | | |
| | Highest | 75 | 0 | H | V | 22.15 | 33.00 | Pass |
| | | | | | H | 22.06 | | |
| | | | | E1 | V | 22.88 | | |
| | | | | | H | 21.64 | | |
| | | | | E2 | V | 22.53 | | |
| | | | | | H | 22.05 | | |

| EUT mode | Channel | RB Size | RB Offset | EUT Pol. | Antenna Pol. | EIRP(dBm) | Limit (dBm) | Result |
|---------------------------------|---------|---------|-----------|----------|--------------|-----------|-------------|--------|
| LTE Band 7 (20MHz) 16 QAM | Lowest | 100 | 0 | H | V | 21.68 | 33.00 | Pass |
| | | | | | H | 21.48 | | |
| | | | | E1 | V | 23.32 | | |
| | | | | | H | 21.42 | | |
| | | | | E2 | V | 22.45 | | |
| | | | | | H | 21.05 | | |
| | Middle | 100 | 0 | H | V | 22.15 | 33.00 | Pass |
| | | | | | H | 21.21 | | |
| | | | | E1 | V | 21.90 | | |
| | | | | | H | 21.56 | | |
| | | | | E2 | V | 22.74 | | |
| | | | | | H | 21.48 | | |
| | Highest | 100 | 0 | H | V | 22.68 | 33.00 | Pass |
| | | | | | H | 21.93 | | |
| | | | | E1 | V | 22.79 | | |
| | | | | | H | 21.64 | | |
| | | | | E2 | V | 23.19 | | |
| | | | | | H | 21.61 | | |

4.9 Field strength of spurious radiation measurement

| | |
|-------------------|--|
| Test Requirement: | FCC part22.913(a), FCC part24.238(a) and FCC part27.53 |
| Test Method: | ANSI C63.26:2015 |
| Limit: | Band 2/4/5/12/17/26:-13dBm Band 7/41:-25dBm |
| Test setup: | <p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p>  |

| | |
|-------------------|--|
| Test Procedure: | <ol style="list-style-type: none"> 1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$ |
| Test Instruments: | Refer to section 3 for details |
| Test mode: | Refer to section 4.1 for details |
| Test results: | Pass |

Measurement Data:

QPSK Mode:

| Test mode: | LTE Band 2(1.4MHz) | | Test channel: | Lowest |
|-----------------|--------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| 3701.40 | Vertical | -36.22 | -13.00 | Pass |
| 5552.10 | V | -39.31 | | |
| 7402.80 | V | -37.69 | | |
| 9253.50 | V | -43.86 | | |
| 11104.20 | V | --- | | |
| 3701.40 | Horizontal | -39.18 | -13.00 | Pass |
| 5552.10 | H | -42.86 | | |
| 7402.80 | H | -44.85 | | |
| 9253.50 | H | -45.94 | | |
| 11104.20 | H | --- | | |
| Test mode: | LTE Band 2(1.4MHz) | | Test channel: | Middle |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| 3760.00 | Vertical | -36.37 | -13.00 | Pass |
| 5640.00 | V | -39.06 | | |
| 7520.00 | V | -38.48 | | |
| 9400.00 | V | -43.23 | | |
| 11280.00 | V | -- | | |
| 3760.00 | Horizontal | -39.55 | -13.00 | Pass |
| 5640.00 | H | -42.26 | | |
| 7520.00 | H | -45.32 | | |
| 9400.00 | H | -46.36 | | |
| 11280.00 | H | -- | | |
| Test mode: | LTE Band 2(1.4MHz) | | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| 3818.60 | Vertical | -37.19 | -13.00 | Pass |
| 5727.90 | V | -39.46 | | |
| 7637.20 | V | -37.68 | | |
| 9546.50 | V | -43.50 | | |
| 11455.80 | V | --- | | |
| 3818.60 | Horizontal | -39.38 | -13.00 | Pass |
| 5727.90 | H | -42.26 | | |
| 7637.20 | H | -44.98 | | |
| 9546.50 | H | -46.40 | | |
| 11455.80 | H | --- | | |

Remark :

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

| Test mode: | LTE Band 4(1.4MHz) | | Test channel: | Lowest |
|-----------------|--------------------|-------------|---------------|--------|
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| 3421.40 | Vertical | -36.74 | -13.00 | Pass |
| 5132.10 | V | -39.59 | | |
| 6842.80 | V | -37.43 | | |
| 8553.50 | V | -42.75 | | |
| 10264.20 | V | --- | | |
| 3421.40 | Horizontal | -39.54 | -13.00 | Pass |
| 5132.10 | H | -42.27 | | |
| 6842.80 | H | -45.76 | | |
| 8553.50 | H | -46.23 | | |
| 10264.20 | H | --- | | |
| Test mode: | LTE Band 4(1.4MHz) | | Test channel: | Middle |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| 3465.00 | Vertical | -37.27 | -13.00 | Pass |
| 5197.50 | V | -40.19 | | |
| 6930.00 | V | -37.86 | | |
| 8662.50 | V | -43.38 | | |
| 10395.00 | V | --- | | |
| 3465.00 | Horizontal | -39.05 | -13.00 | Pass |
| 5197.50 | H | -42.71 | | |
| 6930.00 | H | -44.41 | | |
| 8662.50 | H | -46.17 | | |
| 10395.00 | H | --- | | |

| Test mode: | LTE Band 4(1.4MHz) | | Test channel: | Highest |
|-----------------|--------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| 3508.60 | Vertical | -37.04 | -13.00 | Pass |
| 5262.90 | V | -38.99 | | |
| 7017.20 | V | -38.41 | | |
| 8771.50 | V | -43.01 | | |
| 10525.80 | V | --- | | |
| 3508.60 | Horizontal | -39.70 | -13.00 | Pass |
| 5262.90 | H | -41.84 | | |
| 7017.20 | H | -45.33 | | |
| 8771.50 | H | -45.66 | | |
| 10525.80 | H | --- | | |

Remark:

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

| Test mode: | | LTE Band 5(1.4MHz) | | Test channel: | Lowest |
|-----------------|-------------------|--------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result | |
| | Polarization | Level (dBm) | | | |
| 1649.40 | Vertical | -36.08 | -13.00 | Pass | |
| 2474.10 | V | -39.45 | | | |
| 3298.80 | V | -37.92 | | | |
| 4123.50 | V | -43.25 | | | |
| 4948.20 | V | --- | | | |
| 1649.40 | Horizontal | -38.50 | -13.00 | Pass | |
| 2474.10 | H | -42.18 | | | |
| 3298.80 | H | -44.89 | | | |
| 4123.50 | H | -46.15 | | | |
| 4948.20 | H | --- | | | |
| Test mode: | | LTE Band 5(1.4MHz) | | Test channel: | Middle |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result | |
| | Polarization | Level (dBm) | | | |
| 1673.00 | Vertical | -36.25 | -13.00 | Pass | |
| 2509.50 | V | -39.48 | | | |
| 3346.00 | V | -37.54 | | | |
| 4182.50 | V | -42.81 | | | |
| 5019.00 | V | --- | | | |
| 1673.00 | Horizontal | -38.94 | -13.00 | Pass | |
| 2509.50 | H | -43.01 | | | |
| 3346.00 | H | -45.01 | | | |
| 4182.50 | H | -45.74 | | | |
| 5019.00 | H | --- | | | |
| Test mode: | | LTE Band 5(1.4MHz) | | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result | |
| | Polarization | Level (dBm) | | | |
| 1696.60 | Vertical | -36.28 | -13.00 | Pass | |
| 2544.90 | V | -39.70 | | | |
| 3393.20 | V | -37.99 | | | |
| 4241.50 | V | -43.53 | | | |
| 5089.80 | V | --- | | | |
| 1696.60 | Horizontal | -38.62 | -13.00 | Pass | |
| 2544.90 | H | -41.73 | | | |
| 3393.20 | H | -45.52 | | | |
| 4241.50 | H | -46.12 | | | |
| 5089.80 | H | --- | | | |

Remark :

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst

case is reported.

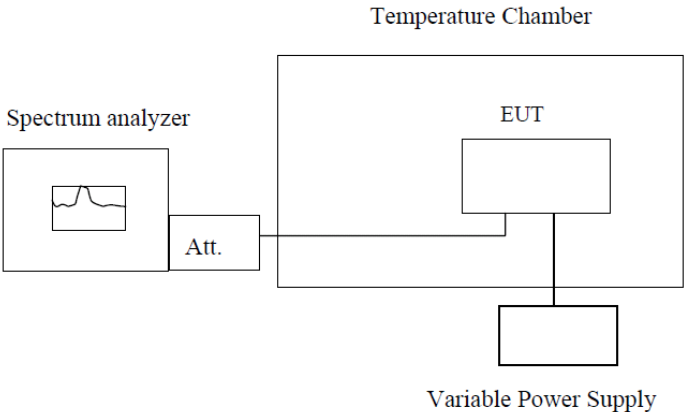
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

| Test mode: | | LTE Band 7(5MHz) | | Test channel: | Lowest |
|-----------------|-------------------|------------------|-------------|---------------|---------|
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result | |
| | Polarization | Level (dBm) | | | |
| 5005.00 | Vertical | -36.82 | -25.00 | Pass | |
| 7507.50 | V | -39.43 | | | |
| 10010.00 | V | -38.19 | | | |
| 12512.50 | V | -43.86 | | | |
| 15015.00 | V | --- | | | |
| 5005.00 | Horizontal | -39.81 | -25.00 | Pass | |
| 7507.50 | H | -42.99 | | | |
| 10010.00 | H | -44.73 | | | |
| 12512.50 | H | -46.76 | | | |
| 15015.00 | H | --- | | | |
| Test mode: | | LTE Band 7(5MHz) | | Test channel: | Middle |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result | |
| | Polarization | Level (dBm) | | | |
| 5070.00 | Vertical | -37.01 | -25.00 | Pass | |
| 7605.00 | V | -40.06 | | | |
| 10140.00 | V | -37.49 | | | |
| 12675.00 | V | -42.78 | | | |
| 15210.00 | V | --- | | | |
| 5070.00 | Horizontal | -38.93 | -25.00 | Pass | |
| 7605.00 | H | -43.19 | | | |
| 10140.00 | H | -45.37 | | | |
| 12675.00 | H | -45.88 | | | |
| 15210.00 | H | --- | | | |
| Test mode: | | LTE Band 7(5MHz) | | Test channel: | Highest |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result | |
| | Polarization | Level (dBm) | | | |
| 5135.00 | Vertical | -46.01 | -25.00 | Pass | |
| 7702.50 | V | -36.30 | | | |
| 10270.00 | V | -39.00 | | | |
| 12837.50 | V | -38.15 | | | |
| 15405.00 | V | --- | | | |
| 5135.00 | Horizontal | -38.99 | -25.00 | Pass | |
| 7702.50 | H | -42.37 | | | |
| 10270.00 | H | -45.17 | | | |
| 12837.50 | H | -45.83 | | | |
| 15405.00 | H | --- | | | |

Remark :

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

4.10 Frequency stability V.S. Temperature measurement

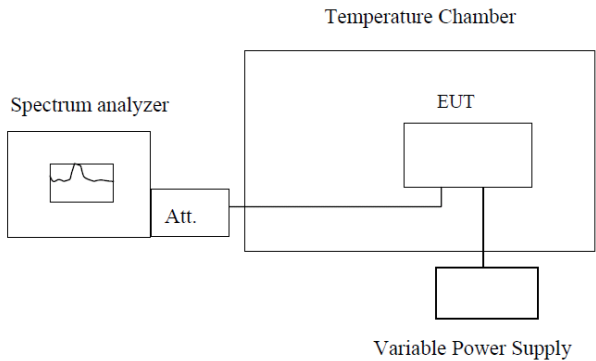
| | |
|-------------------|--|
| Test Requirement: | FCC Part2.1055(a)(1)(b) |
| Test Method: | ANSI C63.26:2015 |
| Limit: | 2.5ppm(Part 22) Within the authorized bands of operation(Part 24, Part 27) |
| Test setup: |  <p style="text-align: center;">Note : Measurement setup for testing on Antenna connector</p> |
| Test procedure: | <ol style="list-style-type: none"> 1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached. |
| Test Instruments: | Refer to section 3 for details |
| Test mode: | Refer to section 4.1 for details |
| Test results: | Pass |
| Remark: | If all frequencies stability are comply with the lower limit, then all results can be considered qualified |

Measurement Data

| Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz | | | | | |
|--|------------------|-----------------|--------|-----------------------------|--------|
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 24 | -20 | 53 | 0.0284 | Within the authorized bands | Pass |
| | -10 | 25 | 0.0134 | | |
| | 0 | 65 | 0.0348 | | |
| | 10 | 29 | 0.0155 | | |
| | 20 | 26 | 0.0139 | | |
| | 30 | 24 | 0.0125 | | |
| | 40 | 34 | 0.0183 | | |
| | 50 | 32 | 0.0173 | | |
| | 60 | 34 | 0.0178 | | |
| Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz | | | | | |
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 24 | -20 | 55 | 0.0316 | 2.5 | Pass |
| | -10 | 24 | 0.0136 | | |
| | 0 | 64 | 0.0371 | | |
| | 10 | 34 | 0.0194 | | |
| | 20 | 35 | 0.0201 | | |
| | 30 | 20 | 0.0114 | | |
| | 40 | 29 | 0.0168 | | |
| | 50 | 28 | 0.0163 | | |
| | 60 | 31 | 0.0177 | | |
| Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz | | | | | |
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 24 | -20 | 56 | 0.0674 | 2.5 | Pass |
| | -10 | 26 | 0.0308 | | |
| | 0 | 67 | 0.0806 | | |
| | 10 | 29 | 0.0343 | | |
| | 20 | 29 | 0.0352 | | |
| | 30 | 23 | 0.0270 | | |
| | 40 | 35 | 0.0420 | | |
| | 50 | 33 | 0.0400 | | |
| | 60 | 39 | 0.0466 | | |

| Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz | | | | | |
|--|------------------|-----------------|--------|-----------------------------|--------|
| Power supplied (Vdc) | Temperature (°C) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 24 | -20 | 54 | 0.0215 | Within the authorized bands | Pass |
| | -10 | 25 | 0.0098 | | |
| | 0 | 71 | 0.0281 | | |
| | 10 | 29 | 0.0114 | | |
| | 20 | 33 | 0.0128 | | |
| | 30 | 23 | 0.0092 | | |
| | 40 | 31 | 0.0122 | | |
| | 50 | 30 | 0.0119 | | |
| | 60 | 34 | 0.0134 | | |

4.11 Frequency stability V.S. Voltage measurement

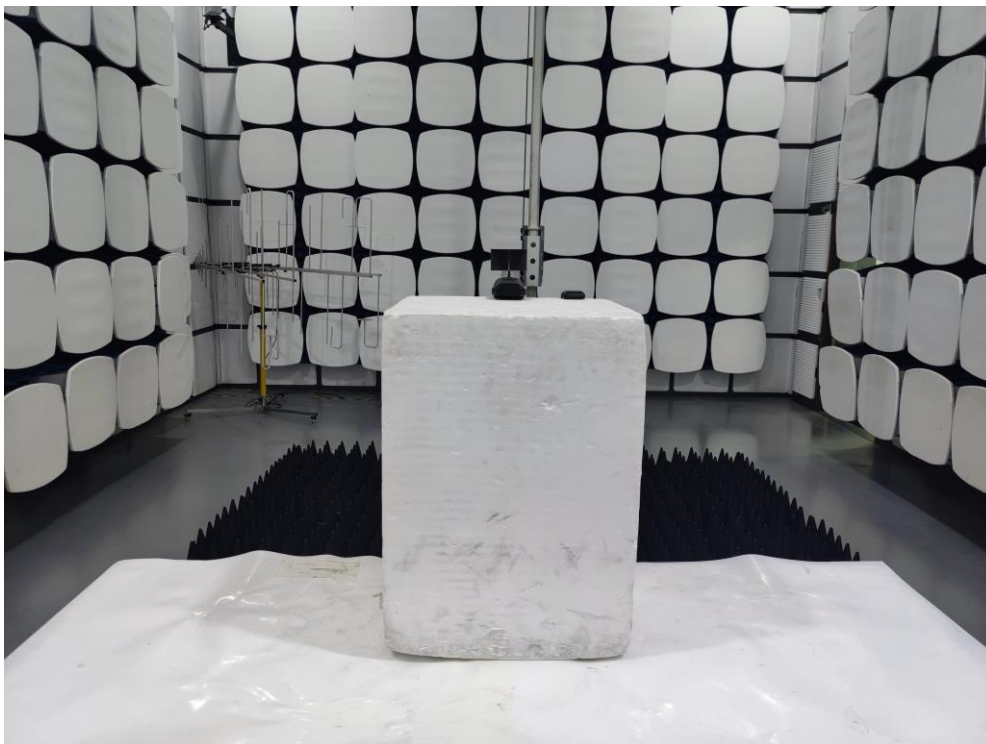
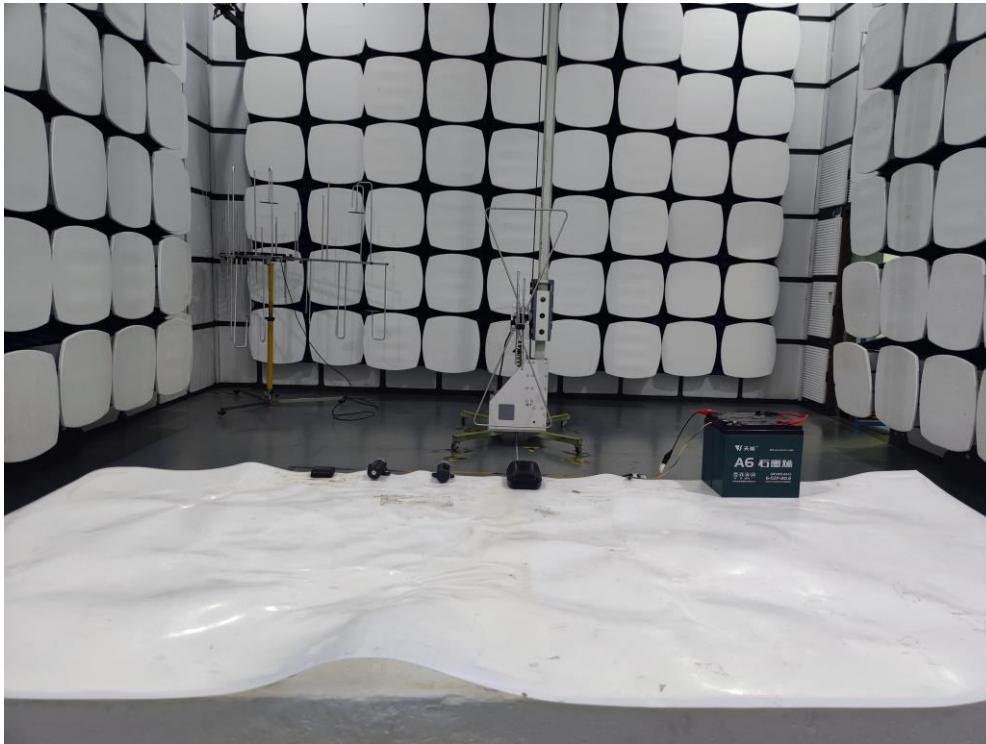
| | |
|-------------------|--|
| Test Requirement: | FCC Part2.1055(d)(1)(2) |
| Test Method: | ANSI C63.26:2015 |
| Limit: | 2.5ppm Band II & Band VII should be within authorized band. |
| Test setup: |  <p style="text-align: center;">Temperature Chamber</p> <p style="text-align: center;">Spectrum analyzer Att. EUT</p> <p style="text-align: center;">Variable Power Supply</p> <p>Note : Measurement setup for testing on Antenna connector</p> |
| Test procedure: | <ol style="list-style-type: none"> 1. Set chamber temperature to 20°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change. |
| Test Instruments: | Refer to section 3 for details |
| Test mode: | Refer to section 4.1 for details |
| Test results: | Pass |
| Remark: | <ol style="list-style-type: none"> 1. Manufacturer specified the battery operating end point voltage is 3.32VDC, max voltage is 4.37VDC. 2. If all frequencies stability are comply with the lower limit, then all results can be considered qualified |

Measurement Data

| Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz | | | | | |
|--|----------------------|-----------------|--------|------------------------|--------|
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 25 | 9 | 23 | 0.0125 | within authorized band | Pass |
| | 24 | 67 | 0.0358 | | |
| | 36 | 32 | 0.0172 | | |
| Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz | | | | | |
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 25 | 9 | 20 | 0.0116 | 2.5 | Pass |
| | 24 | 67 | 0.0388 | | |
| | 36 | 35 | 0.0205 | | |
| Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz | | | | | |
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 25 | 9 | 33 | 0.0394 | 2.5 | Pass |
| | 24 | 34 | 0.0408 | | |
| | 36 | 23 | 0.0272 | | |
| Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz | | | | | |
| Temperature (°C) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| 25 | 9 | 33 | 0.0130 | within authorized band | Pass |
| | 24 | 21 | 0.0081 | | |
| | 36 | 18 | 0.0070 | | |

4.12 Test Setup Photo

Radiated Emission



-----END OF REPORT-----